



# Notification of a Proposal to issue an Airworthiness Directive

**PAD No.:** 19-152

**Issued:** 02 August 2019

Note: This Proposed Airworthiness Directive (PAD) is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 of that Regulation.

In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below.

All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation date indicated.

**Design Approval Holder's Name:**

AIRBUS

**Type/Model designation(s):**

A380 aeroplanes

**Effective Date:** [TBD - standard: 14 days after AD issue date]

**TCDS Number(s):** EASA.A.110

**Foreign AD:** Not applicable

**Supersedure:** None

## ATA 78 – Exhaust – Thrust Reverser Cascades and Aft Frame Attachment – Inspection / Modification

**Manufacturer(s):**

Airbus

**Applicability:**

Airbus A380-861 aeroplanes, all manufacturer serial numbers.

**Definitions:**

For the purpose of this AD, the following definitions apply:

**Affected TR:** GP7200 left half thrust reversers (TR), having Part Number (P/N) L78DR130000400, P/N L78DR130000500, or P/N L78DR130000600, and right half TR, having P/N L78DR230000400, P/N L78DR230000500, or P/N L78DR230000600; and having a serial number (s/n) as identified in SAFRAN Nacelles Service Bulletin (SB) L70DR78-057.

**Affected part:** All A380-861 TR cascade assemblies, having a P/N as listed in Table 1 of this AD.



**The inspection SB:** Airbus SB A380-78-8014, which includes reference to SAFRAN Nacelles SB L70DR78-057.

**The modification SB:** Airbus SB A380-78-8015, which includes reference to SAFRAN Nacelles SB L70DR78-054.

#### Reason:

An occurrence was reported where, after the aeroplane arrived at the gate, damage was found on a right-hand (RH) side trans-cowl of the # 3 engine. A blank-off TR cascade was found dropped to the trans-cowl which interfered with the secondary slider fitting. Subsequent investigations revealed that a possible fracture of the aft frame axis and of the blank-off cascade components at the junction with the aft frame, may have led to release of material, causing jamming of and damage to the translating cowl outer panel. A low torque value of the screws fastening blank-off TR cascade to the aft frame may also have been a factor in this event, leading to failure.

This condition, if not detected and corrected, could lead to part failure and subsequent detachment of an affected part from the aeroplane, possibly resulting in a runway hazard for other aeroplanes.

To address this unsafe condition, Airbus issued the inspection SB to provide instructions for detailed inspection (DET) of the affected TR and aft frame attachment of the engine nacelle. Airbus also issued the modification SB to provide instructions for modification of the affected parts and the blank-off / aft frame junction of left-hand (LH) and RH engine nacelles.

For the reasons described above, this AD requires a one-time DET of the 6 o'clock and 12 o'clock aft frame axis of the affected TR and, depending on findings, accomplishment of applicable corrective action(s). This AD also requires modification of the affected parts and the blank-off / aft frame junction of LH and RH engine nacelles.

#### Required Action(s) and Compliance Time(s):

Required as indicated, unless accomplished previously:

#### Inspection:

- (1) Within 40 months after the effective date of this AD, accomplish a DET of each affected TR in accordance with the instructions of the inspection SB.

#### Corrective Action:

- (2) If, during the DET as required by paragraph (1) of this AD, any discrepancy is detected, before next flight, accomplish the applicable corrective action(s) in accordance with the instructions of the inspection SB.

Table 1 – Affected parts P/Ns

L78DH139200200	L78DH139500200	L78DH239200200	L78DH239500200
L78DH139200300	L78DH139500300	L78DH239200300	L78DH239500300
L78DH139200400	L78DH139500400	L78DH239200400	L78DH239500400
L78DH139200500	L78DH139500500	L78DH239200500	L78DH239500500



**Modification:**

- (3) Within 40 months after the effective date of this AD, modify each affected part and the blank-off / aft frame junction of LH and RH engine nacelles in accordance with the instructions of the modification SB.

**Part(s) Installation:**

- (4) After expiry of the compliance time of paragraph (1) of this AD, do not install an affected TR on any aeroplane, unless, prior to installation, the affected TR passed a DET (no discrepancy detected) or, depending on findings, was corrected in accordance with the instructions of the inspection SB.
- (5) After expiry of the compliance time of paragraph (3) of this AD, do not install an affected part on any aeroplane.

**Ref. Publications:**

Airbus SB A380-78-8014 original issue dated 30 April 2019.

Airbus SB A380-78-8015 original issue dated 30 April 2019.

SAFRAN Nacelles SB L70DR78-054 original issue dated 22 February 2019.

SAFRAN Nacelles SB L70DR78-057 original issue dated 29 April 2019.

The use of later approved revisions of the above-mentioned documents is acceptable for compliance with the requirements of this AD.

**Remarks:**

1. This Proposed AD will be closed for consultation on 30 August 2019.
2. Enquiries regarding this PAD should be referred to the EASA Programming and Continued Airworthiness Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu).
3. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this PAD, and which may occur, or have occurred on a product, part or appliance not affected by this PAD, can be reported to the [EU aviation safety reporting system](#).
4. For any question concerning the technical content of the requirements in this PAD, please contact: Airbus – EIANA (Airworthiness Office), Telephone: +33 562 110 253, Fax: +33 562 110 307, E-mail: [account.airworth-A380@airbus.com](mailto:account.airworth-A380@airbus.com).

